## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 25 August 2005 (25.08.2005)

**PCT** 

## (10) International Publication Number WO 2005/077664 A1

(51) International Patent Classification<sup>7</sup>: B44C 1/17, D06Q 1/00

B41M 5/00,

(21) International Application Number:

PCT/US2005/003868

(22) International Filing Date: 9 February 2005 (09.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/542,885 10 February 2004 (10.02.2004) US

(71) Applicant (for all designated States except US): FO-TOWEAR, INC. [US/US]; 1183 Mid-Valley Drive, Olyphant, Pennsylvania 18447 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WILLIAMS, Scott, A. [US/US]; 105 Kensington Court, Livonia, New York 14487 (US).

(74) Agent: WEINER, Marc, S.; Birch, STewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, Virginia 22040-0747 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

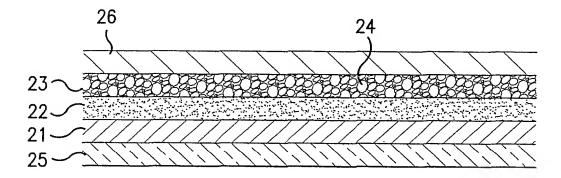
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMAGE TRANSFER MATERIAL AND HEAT TRANSFER PROCESS USING THE SAME



(57) Abstract: Provided is an image transfer material, comprising an optional support material, and a non-woven or woven fiber web layer, wherein the fiber web is impregnated or coated with a image receiving formulation. The fiber web layer is optionally attached to the support with an adhesion layer. Also provided is a heat transfer process wherein after imaging, the fiber web and adhesion layer are peeled from the optional support material and placed, preferably image side up (when imaged), on top of a receptor element. Alternatively, the fiber web and adhesion layer are peeled and then optionally imaged prior to being placed on the receptor element. Then, an optional non-stick sheet is placed over the imaged fiber web (if placed imaged side up) and heat is applied to the fiber web or the non-stick sheet, if present. The adhesion layer then melts and adheres the imaged web layer to the receptor element.



